EDUCATING IN THE GAP: A NOVEL APPROACH TO HARNESSING THE SUBTLE ENERGY OF THE ENDOCANNABINOID SYSTEM TO CREATE MULTIDIMENSIONAL CLIMATES OF HEALING WITH HUMAN BIOCRYSTALS IN POPULATION-FOCUSED PUBLIC HEALTH.

THE HUMAN BIOCRYSTAL IN THE LIVING MATRIX
YOU ARE A CRYSTAL
Responding to the subtle frequencies and vibrations of the Universe....
WE ARE CONNECTED TO THE COSMIC UNIVERSE THROUGH THE LIVING MATRIX
....a simultaneous mechanical, vibrational, energetic, electronic and informational network.

PIENTA & COFFEY 1991

CELLULAR HARMONIC INFORMATION TRANSFER THROUGH A TISSUE TENSEGRITY-MATRIX SYSTEM
WE ARE MADE OF THE STUFF OF STARS INTEGRAL TO THE COSMIC MATRIX
INTERACTING WITH OUR OWN INTERSTELLAR COSMOS

THE TISSUE MATRIX
THE LIVING TISSUE MATRIX

Is the connection of:

integrins, cytoskeleton, nuclear matrix, extracellular matrix in collagen rich connective tissues of bones, tendons, ligaments and fascia integrating every cell in the body to a hydroelectric superhighway, “the systems of all systems” with the capacity for instant transmission and reception of information and energy...

In the form of electrons, protons and photons carried on vibrational frequencies from the Universe...
PROPERTIES OF THE LIVING MATRIX

James Oschman, Ph.D. “Energy Medicine the Scientific Basis”

- Incorporates ALL the great systems of the body through its continuous connective tissue fabric thereby determining overall shape of the organism and architecture of its parts.

- Exerts specific and important influences upon cellular dynamics, including cellular differentiation and development.

- Is a semiconducting communication network which generates, transmits and receives various coherent vibrations in the form of mechanical waves, electrical signals, magnetic and electromagnetic fields, heat, and light to and between every part of the body from the macro to micro levels.
THE LIVING MATRIX

James Oschman, Ph.D. “Energy Medicine the Scientific Basis”

Contains what appears to be the original data transmission and control system present in the earliest living organisms; the ancient evolutionary direct current perineural system.

- **Perineural system** is a “global” nervous system of perineurial connective tissue surrounding each neuron in the brain and follows each peripheral nerve to its termination and into every organ.

- Is a distinct “semiconductor communication system” operating on much slower “analog” or direct current oscillations, primarily heart and brain waves.

- Responsible for overall regulation of the “classical” nervous system.

- Sensitive to magnetic fields; magnetic resonance activates neural conduction (Becker)

- Manages “the injury potential” in the system wide regulation, coordination and integration of wound healing including cell migration.
Endocannabinoid receptor CB1; the most prevalent G coupled 7 serpentine transmembrane receptor found in the central nervous system has persisted for over 600 years and is integral to the Living Matrix...
The Endocannabinoid System; The "Mother Regulator"

Cannabinoids are involved in the fundamental life, death and differentiation alternatives of cells (Guzman, 2005) extending the domain of the ECS throughout all levels of biological organization. (Melemide, 2010)

The endocannabinoid system regulates all body systems; cardiovascular, digestive (Izzo and Coutts, 2005), endocrine (Maccarrone and Wenger, 2005), excretory (Brady et al., 2004), immunological (Carrier et al., 2005), musculo-skeletal (Casanova et al., 2003) (Ofek et al., 2006), neurological (Fride, 2005), integumentary (Casanova et al., 2003), reproductive (Wang et al., 2006)

And through these systems regulates body temperature (Hollister, 1971), food intake (Cota et al., 2005), sleep, reproduction (Wang et al., 2006), pain (Burns and Ineck, 2006) and mental attitude (Piomelli et al., 2006). (Melemide, 2010)
THE LIVING MATRIX AND THE ENDOCANNABINOID SYSTEM

Cannabinoid receptor 1, CB1R regulates multiple signal transduction pathways including activation of Focal Adhesion Kinase, FAK. (Dalton, et. al., 2013)

Focal adhesion kinase, FAK is a nonreceptor protein localizing to complexes found at the cell membrane called focal adhesions, FAs. giving the cytoskeleton both fluidity and structure through the anchoring of the cytoplasmic tails of membrane-spanning proteins called integrins, forming a continuous link between the cytoskeleton and extracellular matrix, ECM. (Hanks et al. 2003).

Integrins are transmembrane bidirectional signaling receptors that communicate signals from outside the cell to inside and vice versa. The extracellular domains of integrins are embedded in the extracellular matrix, while the intracellular domain recruits proteins to indirectly connect integrins to the cytoskeleton. (Takuda, et. al., 2007)

CB1Rs are integral to cellular structure, fluidity and migration as a signaler of FAK and integrin adhesion. CB1Rs and the endocannabinoid system are architects of the bio crystal!
Integrins are one type of anchoring junction: anchor the cells to the matrix
THE LIVING MATRIX OVERVIEW

Connects every level of biologic function from the intercellular environment to the extracellular cosmic environment.

Is the architect of the form and shape of cells, tissues, organs and the entire crystal organism through CB1R signaling and the involvement of the endocannabinoid system.

Contains multiple arrays of hydrated liquid crystals - including cannabinoid receptors, integrins and all levels of connective tissues and muscles.

Is a solid state semiconductor, via the Perineural nervous system, our primordial and first analog nervous system, capable of transmitting multiple forms of energetic communication into and outside of the cell, in addition to creating and maintaining electric fields in cells, tissues and organs.

It is Piezoelectric, becoming electrically charged under mechanical stress.

It is Pyroelectric, becoming electrically charged when heated.

It is Thermoelectric, producing electricity by a difference of temperatures.
WHY ARE WE CRYSTALS?
THE CRYSTAL IS THE MOST ELEGANT DESIGN IN NATURE TO FOCUS AND TRANSMIT SUBTLE ENERGIES....
LIQUID CRYSTAL CELL MEMBRANE

Protein channel (transport protein)
Globular protein
Glycoprotein
Extracellular Fluid
Carbohydrate
Hydrophilic heads
Phospholipid bilayer
Phospholipid molecule

Cholesterol
Integral protein (Globular protein)
Surface protein
Filaments of cytoskeleton
Alpha-Helix protein (Integral protein)
Hydrophobic tails

Cytoplasm
Liquid crystallinity gives organisms their characteristic flexibility, exquisite sensitivity and responsiveness, and optimizes the rapid noiseless intercommunication that enables the organism to function as a coherent whole.
Every organ, tissue, cell, protein, gene, molecule, atom, electron and quanta each emit and respond to coherent frequencies regulated by energetic forces…

Morphic Resonances From Intelligent Universe…
MORPHIC RESONANCE

From Sir Rupert Sheldrake

A process whereby self-organising systems inherit a memory from previous similar systems of characteristic forms and patterns of activity.

Morphic resonance, a non local phenomena, denotes that the ‘laws of nature’ are in reality more like “habits” and biological inheritance isn’t coded in the genes, or in epigenetic modifications of the genes; but much of it depends on morphic resonance from previous members of the species.

Morphogenetic fields work by imposing patterns on otherwise random or indeterminate patterns of activity. Ex: Birds flying South in a migratory group arrangement; Butterfly migrations and the automatic “latching” of babies.

The fields organizing the activity of the nervous system are likewise inherited through morphic resonance, conveying a collective, instinctive memory where each individual inherits a collective memory from past members of the species, and also contributes to the collective memory, affecting other members of the species in the future.

Morphic fields underlie our mental activity and our perceptions. We inherit bodily, emotional, mental and cultural habits, including the habits of our languages.passed along from patterns on otherwise random or indeterminate patterns of activity.
THE PRIMARY PURPOSE OF THE ENDOCANNABINOID SYSTEM?
The integration and entrainment of multidimensional energies into coherent systems.

Coherence is the highest state of resonance.

It is bliss.

NURSE COURTNEY
THE THEORY...

Complex living organisms with endocannabinoid systems have been evolved by and with the plant *Cannabis sativa*.

By intelligent design, organisms are programmed into a highly resonant crystalline form meant to capture the most subtle of frequencies of coherence...or “bliss”.

The One Mind contains energetic patterns or “habits”...Morphic Fields...subtle frequencies of collective, instinctive memory each individual inherits from past members of the species which contributes to the collective memory, affecting other members of the species in the future.

These subtle frequencies direct all systems toward coherence..a state of flow or bliss...and this inherent drive toward perfection..toward coherence is ultimately homeostasis...

CB1R is integral in the neurogenesis of the living matrix of crystalline structures imbuing every cell, tissue and organ in the human body with the the capacity to sense and act on subtle frequencies from the Universe. The ECS can translate information to and from the Universe.
SO WHAT?
IMPLICATIONS FOR HEALTH

- Creates agency; the ability to be in control of one's own health regimen without outside opinion.

- By simply “tuning” one’s crystal to specific healing frequencies of Universal resonances, we can create our own experience of health and climates for healing.

- Morphic fields give us the ability to reenact Ancestral healing, transcending time and space while creating future patterns of health.

- Validates vibrational practices like Homeopathy, Energy Healing, Acupuncture, etc.
TUNING THE CRYSTAL FOR HEALTH

• Earthing, getting barefoot of the Earth harnesses electrons...hugging trees has similar effect.

• Stomping, walking and other weight bearing exercise generates piezoelectric forces which “harden” the crystal.

• Smiling, laughter, hugs, social contact utilizes the psychoimmunoneurological system to literally change cells.

• “Think” yourself to health! Placebo effect is the ECS in action!
YOU ARE CRYSTALS GOVERNED BY THE ENDOCANNABINOID SYSTEM TO RECEIVE AND TRANSMIT SUBTLE ENERGIES FROM THE UNIVERSE
REFERENCES